Industries (1943) Department.

88/

SERIES.

G.O. No. 17

Dated 8. 1. 1943.

[Despatch Abstract.]

WAR - Supplies - Silk required for war purpose - Silk Filature Factory at Kollegal - Additional staff and expenditure on machinery and equipment - Sanctioned.

C.F.,32.

Department

From (Name) P.Madhava Menon Esq., M.B.E., I.C.S.,
Designation Director of Industries and Commerce,
Station Madras.

Received Registered

To

The Secretary to Government,
Development Department,
Madras.

SECRETARY TO GOVT. 8 DEC 1942 DEVELOPMENT DEPARTMENT

Enclosures:

No. 777-D/42 dated 7th December 1942.

Sir,

Subject: Industries - Sericulture - Development - Government Silk Filature Factory - Kollegal - Proposal for the staff, and equipment - Submitted.

Reference: G.O.No.Ms.(M) 378 Development dated 3rd October 1942.

I submit the following proposals for the staff and equipment required for the Government Silk Filature Factory, Kollegal called for in paragraph 3 of the G.O. referred to above. As regards the provision of working capital, Government are being addressed separately:-

Staff:

In addition to the staff sanctioned in G.O.No.Ms.455-M Development dated 26th October 1942 and G.O.No.Ms.456 M Development dated the 26th October 1942, the following staff is required for an efficient conduct of the work. The Sericultural Expert states that, on account of the difficulties of getting trained men to fill up all the posts, these appointmen were not proposed before, but as it is now under consideration to get all the required staff trained in the Kollegal Silk Filatures Ltd., itwould be better if the employment of the staff is sanctioned now. The staff will, however, be employed only as and when required.

1 Foreman on Rs.40-5/2-60.
2 Labour Recruiting Assistants on Rs.40-5/2-60 each.
8 Supervisors on Rs.20-2/2-30 each (4 for cocoons sorting.
(1 for fuel stock
(1 for silk and silk
(waste.
(2 for silk examination
1 Cocoon Store Assistant on Rs.40-5/2-60
1 Silk and Waste Store Assistant on Rs.40-5/2-60.

2. Training.

Proposals for giving training to the technical staff have been received from the Sericultural Expert and these will be submitted shortly for consideration of Government.

3. Land.

A plot of 7 acres and 55 cents bearing survey No.876 A and B and 877 A and B in Kollegal village was acquired by the Collector, Coimbatore, under rule 75 (A) (2) of the Defence of India Rules and he has passed the award of Rs.1888/8/0 to the respective owners of the lands.

4. Factory Buildings and wells.

The constructional work of the buildings and wells was put out to tender and Government have in G.O.No.Ms(M) 378 Development dated the 3rd October 1942 sanctioned the execution of the work at a cost not exceeding Rs.1,65,000. The work is being pushed through by Messrs:Gangadharan, Parthasarathy and Co., Engineers and Contractors, Kollegal.

5. Water Supply.

Proposals have been submitted to Government in my letter No.777 D/42 dated the 30th November 1942 for the construction of a channel from Cauvery river to the Fila

and for the construction of a storage tank and a service reservoir, involving an expenditure of about Rs.24,790.

One steam engine and two pumping sets, estimated by the Sericultural Expert to cost about Rs.8500/-, are required. One of the pumping sets will be installed on the bank of the Cauvery river and the other at the storage tank for pumping water to the service reservoir. The detailed estimates for the water pipe mains to be laid from the pumping station in the Filature to the tank and for the distribution to the Filature will be prepared as soon as orders of Government in regard to the water supply are received The Sericultural Expert has roughly estimated this to cost about Rs.10,000/

6. Plant and Machinery.

Sanction has been accorded in G.O.No.Ms.480 M. Development dated 31st October 1942 for the purchase of reeling basins and machinery (excluding boilers, pipes, and engines) at a cost of Rs.2,20,000. The Sericultural Expert requires the supply of 2 Lancashire Boilers and 1 Sentinel Portable engine. He has estimated their cost at Rs.17,500. Necessary action is being taken to secure suitable boilers and engine. Plans and estimates are under preparation for the construction of six stifling chambers which are needed for stifling the cocoons before they are used for reeling. This work has been roughly estimated by the Sericultural Expert at Rs.10,000.

The Assistant Controller of Purchase, Madras Circle, has already been requested to arrange for the supply of steam and water pipes and fittings and shafting for reeling machinery at a cost of about Rs.52,545/-

7. Tools and Equipment (including furniture and other miscellaneous items)

The requirements of equipment are set forth in the annexure. It is not possible to furnish an accurate estimate of the cost of equipment as markets are unsteady and fluctuating. The total cost of the various items has been roughly estimated by the Sericultural Expert at Rs.93,803/-. It is requested that sanction may be accorded for the purchase or manufacture of the items detailed in the annexure at a total cost not exceeding the amount and the Sericultural Expert be authorised to buy, when necessary in the open market or by inviting tenders whichever method is convenient in the interest of expedition of work, subject to my approval when necessary.

Furniture and equipment can be made locally using any suitable substitute for teakwood for most of the fittings. Expanded metal for the silk drying safe room may be got through the Supply Department at controlled prices. Some of the scientific instruments will have to be imported from America with the assistance of the Chief Controller of Imports, Simla. Typewriters and rubber stamps could be secured from the Superintendent of Stationery, Madras. It is advisable to affect purchase of equipment through the Supply Department as far as possible since it is in close and direct touch with the manufacturers and dealers of all commodities. In cases where orders are placed with firms, first priority facilities and certificates for the purchase of the required raw materials at controlled prices will have to be given to those firms.

8. Besides the above, the Sericultural Expert has estimated an expenditure of Rs.15,000 under transport and other incidental charges and Rs.16,700 under erection charges. The total amount for which sanction of Government is now sought for is Rs.2,24,048 as shown below:-

Water supply.	Engine and pumping sets	Rs.	8,500
	Water pipe mains		10,000
Plant and machinery:	Boilers and engines		17,500
	Stifling chambers		10,000
	Steam and water pipes and fittings for reeling machinery		52,545.
Tools etc.	Tools and equipment		93,803
	Transport etc.		15,000
	Erection charges		16,700
	Total	Rs.	2,24,048

I may mention here that the estimates furnished by the Sericultural Expert, Kollegal, are all tentative and are subject to revision later where necessa

9. In view of the great urgency in the matter of getting the new Filature Factory equipped with such of the materials which are required immediately to commence the work as early as possible, the Sericultural Expert has been instructed to go ahead with their purchase, specially those which could be conveniently got manufactured locally and debit

Annexure

Serial No.	Description	Number required	Approximate cost Rs
	Tools and Equipment.:		
1.	Steaming trays - wooden tray of 2½' x 2½' x ½' with wire-mesh bottom. Wire-mesh to be got at control price.	300	Rs 3,000 can be got locally made
2.	Wire-mesh for use when the old ones are worn out owing to constant application of steam .. a roll of ... 125' x 2½'		300
3.	Copper spoons - diameter 4", handle 7" length weighing about ¼ lb.	512	2,000
4.	Cocoon preparing brushes - to be prepared out of palmyra tree fibre with perfected bristles.	400	300
5.	Brass taps and cocks:- 3/8" size. 512 for reeling basins 256 for cooking " 32 for drinking water to labourers etc.	800	8,000
6.	Drain cocks - 3/8" size:- 512 for reeling basins 256 for cooking " ---	768	7,680
7.	Pulleys - to keep in stock for emergency use when any of them are worn out or broken while in use - These can be got from Chennapatna, Mysore State.	1,000	125
8.	Porcelain buttons - do- . These can be obtained from the Porcelain Factory at Bangalore	1,000	125
9.	Brass hooks	500	125
10.	Skeining machines in iron - (iron to be got at controlled price)	20	500 can be got made locally.
11.	Bundling machines mechanic-locally made - to pack silk in bundles of 10 lbs. each - iron to be supplied at control price.	6	500 -do-
12.	Weighing machine:-		
	i. For weighing fuel; maximum capacity 20 mds. or 500 lbs. with weights, pans, beam arrangement.	1	Prices to be ascertained from M/s Avery Ltd. Madras or their head office at Calcutta
	ii. For weighing cocoons, maximum capacity 5 mds. circular disc arrangement, with spring, zinc bucket to serve as pan measurement 2½' x 1¼' x 1¼'	3	
	iii. Silk weighing - 50 lbs. capacity-spring arrangement with circular disc with one pan hanging - circular with 1¾' diamter	2	
	iv. -do- -do- 2lbs. capacity.	2	
	v. Cocoons weighing for daily issue in small quantities to each basin separately - maximum capacity 15 lbs.-spring arrangement with circular disc, bucket pan, bottom to be opened and closed when wanted bottom diameter ¾' and top diameter 1½' and depth 1¼'.	10	12,000
13.	Iron hooks - 1' length with 2 bends attached to hang silk waste by the cookers	256	256
14.	Zinc buckets for removing chrysalides etc.	250	1,000
15.	Water drums with lids - 1¼' diameter and 2' high with taps for storing drinking water etc. for labourers.	20	600
16.	Dust-bins - 2' diameter and 2½' high	12	300
17.	Scissors -small - 4" long for reelers.	512	512
18.	do long 9" do	12	
19.	First Aid sets.	5	
20.	Fire fighting equipment as per factory rules.	1 set	

M1

1.	2	3	4	5
21.	Packing appliances - set	1	100	
22.	Carpenters' tools - set	2	400	
23.	Tools for the machinery and boilers		1,500	
24.	Garden implements - set	1	50	
25.	Wall clocks - 15" dial for the factory office etc.	4	300	
26.	Time-pieces - small for time-keepers etc.	6	60	
27.	Iron safe 3½' x 2¼' x 1¾'-There will be a permanent advance of Rs.50,000 with the Manager or more for daily purchase of cocoons which may range up to Rs.10,000 or even more	1	500	
28.	Cash boxes - to keep amounts for daily disbursements etc.	2	100 ~~500~~	
29.	Locks with keys - big	2	60	
30.	-do- do - Medium & small	12	40	
31.	Petromax lights , 300 C.P. for the reeling halls, cocoons storage rooms, boiler room, stifling chamber, silk examination room, office etc.	15	750	
32.	Hurricane lanterns - big or Rama Deepa	25	125	
33.	Sentry boxes - 7' high, 2½' bredth and 2¼' depth - in cement preferably	2	300	
34.	Cash counter for the cashier	1	100	
35.	One inch Galvanised pipe for skeining silk	30!	165	
36.	Round brass metal discs of 1¼" diameter serially numbered with a ring attached to be used by labour as time-cards.	2,000	500	
		Total	44,243	

SCIENTIFIC INSTRUMENTS:-

1.	Centigrade thermometer - 1 for each of the 16 rows of reeling basins, 10 for the steaming chambers and 4 for others.	30	200	
2.	Wet and Dry Bulb thermometer	8	100	
3.	Denier scale	8)	3,000	To be imported from America.
4.	Sproweight or denier testing machine	8)		-do-
5.	Serimeter	1)		-do-
6.	Black-board test	1		
7.	Winding machine of 40 bobbins	1	1,500	To be ascertained from the Textile Institute, Madras.
8.	Microscopes, testing accessories and other apparatus		1,000	

-3-

the expenditure involved to 43 a. Industries - Industries-J. Sericulture - Filature Silk Factory, pending provision of fund later in the year.

7/12/41

Director of Industries and Commerce.

G.M.

7/12

		Rs.	
VII. STATION WAGON etc.:-			
1. Station wagon for use - transport of urgent necessities etc.	1	5,000	
2. Bi-cycles - to go round villages for cocoons purchase, for office use etc. The factory is situated at a distance of 2 miles nearly from the town	4	700	
3. Bullock carts - double bullock driven	3	600	
Total,...		6,300	
LIVESTOCK			
1. Bullocks for 3 double carts..	6	900	
Total		900	
FURNITURE AND FITTINGS:			
1. Tables - Ordinary for the filature buildings except office	12	300	
2. Chairs do	15	120	
3. Stools- for 512 reelers .. 512 256 examiners. 256 18 for the denier scale and testing machines. 18	786	3,930	
4. Short benches for 256 knotters	128	640	
5. Silk examination stands	125	2,500	
6. Bundling tables -18' x 2½' x 3' size to be fitted up in a row - thick wood	1	175	
7, Skeining tables for 20 skeiners - a fitting of 40' x 1½' x 2¼'	1	200	
8. Cocoon basket stands for 256 cookers	256	1,000	
9. Re-reeling hand-sets made of bamboo	25	40	
10. Altes	100	60	
11. Wooden stands for green and steamed cocoons fittings of 40' x 2½' x 8' each	64	9,000	
12. Bamboo baskets for cookers	350	120	Forest Department will be requested to supply the necessary quantity of green bamboo. The order must be placed immediately as the labour involved is very great.
13. Bamboo round trays for steamed cocoons	3,500	2,650	
14. -do- Rectangular trays for green cocoons	6,500	4,900	
15. Stand for hanging the denier tested- Small.	8	25	
16. Reel stand for testing the denier	8	60	
17. Silkwaste drying stands in bamboo with wooden frames	24	175	

			Rs
18.	Tiffin hangers etc. for labourers with pegs.	100	300
19.	Almirahs - big for silk storing	15	1120
20.	Racks for storing silk-wastex	10	750
21.	Small stair-cases for cocoons storage rooms	20	300
22.	Name-boards and number of machines furniture, fittings etc.		300
23.	Show cases - complete set	4	250
24.	Key boards	2	20
25.	Time-disc-boards with hooks to hang the brass discs brought by the labourer in place of the time-kxxxds cards - each board to hold 250 brass discs..	8	300
26.	Silk drying room - A safe room caged with expanded metal fixed on wooden frames, with 750 wooden pegs fixed on walls, stands etc., for hanging silk skeins and allowing them to dry, to safeguard from rats etc. Expanded metal to be used will be ½" size so as to be airy - diamond shape to be supplied at controlled prices Dimensions of the room are:- Walls of the silk examination hall on 3 sides 1 side of 99'-0" x 7' and the top 107' x 8' to be covered		4000
27.	Wooden gates to cover shafts of reeling machinery and belts		300
	Total ..		33,535

OFFICE FURNITURE AND EQUIPMENT:-

1.	Tables - Officer's	4		
	Senior clerk's	2		
	Junior do	4		
	Typewriting	1		
		---	11	580
2.	Chairs - Officer's	4		
	Visitor's	4		
	Senior clerk's	2		
	Junior do	4		
	Typewriting	1		
		---	15	260
3.	Peon's stools		4	20
4.	Bench - Long		1	15
5.	File Tray racks		6	90
6.	Almirahs - Big .. 2			
	Small. 6			
	Glass 1			
	--		9	420
7.	Revolving book-cases		2	100
8.	Stationery Cabinet		10	50
9.	Office Trays		15	40
10.	Record Racks		6	360
11.	Pigeon-hole case		1	45
12.	Typewriters - Foolscap .. 1			
	Policy .. 1		2	770
13.	Rubber stamps for office and factory			75
14.	Miscellaneous			

44243
2,800
600
33,535
3,025
92,403

16/9/11

DRAFT FOR APPROVAL.

C.F.17.

Dev.Dept.

	Date.	Initials.
When received for fair copying ..		
When copied ..		
When examined..		
When signed ..		
When despatched.		

SUBJECT:—

War-Supplies-Silk required for war purpose Silk Filature Factory at Kollegal-Additional staff and expenditure on machinery and equipment-Sanctioned.

READ AGAIN G.O.No.378-M Dev, dated 3-10-1942.
" " " 455-M " " 26.10.1942
" " " 456-M " " 26.10.1942 19

READ *ALSO*:—

No.12662-SE/42 the D.I.& C , No.777-D/42 dated 7-12-1942.
" " " " " 19
" " " " " 19

Order ~~Resolution~~ Ms. ~~Rout.~~ No. 17, dated 8-1-1943.

The Govt. are pleased to sanction the employment, in the Govt. Silk Filature Factory, Kollegal, temporarily for a period of one year from the dates of appointment, of the following additional staff:—

1 Foreman on Rs.40-5/2-60. p.m;
2 Labour recruiting Assistants on Rs.40-5/2-60. p.m. each;
8 Supervisors on Rs.20-2½-30. p.m. each;
1 Cocoon Store Assistant on Rs.40-5/2-60 p.m; and
1 Silk and Waste Store Assistant on ~~do.~~ Rs.40-5/2-60 p.m.

The staff should be employed only as and when necessary. The conditions for employment of this special staff will be the same as those in paragraph 2 of G.O.No.456 M.Dev.& 26.10.42.

2. Sanction is also accorded to incurring expenditure not exceeding the amounts noted against each of the following items required for the Silk Filature Factory at Kollegal:

(1) One steam engine and two pumping sets, one at the river bank and the other at the storage tank in the factory.	Rs.8,500
(2) Water pipe mains for distribution of water in the factory.	10,000
(3) Two Lancashire boilers and sentinal portable engine.	17,500
(4) Construction of Six stifling chambers.	10,000
(5) Steam and water pipes and fittings for reeling machinery.	52,545

(6) Tools and equipment. Rs. 93,803
(7) Transport charges etc. 15,000
(8) Erection charges. 16,700

These items of capital expenditure will be recovered in due course from the Govt. of India, on behalf of ~~H.M.~~ H.M.'s Govt. in the United Kingdom.

Orders in respect of the construction of a channel from the Cauvery river to the site of the Factory will be issued separately.

The Director of Industries & Commerce is requested to submit the detailed plans and estimates in respect of:-

(1) the water pipe mains to be laid from the pumping station to the tank and for distribution of water in the factory &

(2) the construction of six chambers for stifling cocoons before reeling.

The Sericultural Expert is permitted, as a special case, to buy tools and equipment including furniture, where necessary, in the open market or by inviting tenders, whichever method is convenient, subject to the approval of the D.I.&C. As regards the scientific instruments which have to be purchased through the Supply Department, the D.I.&C. is requested to submit proposals separately with full particulars.

3. The expenditure should be debited to "43.a. Industries - Industries - J.Sericulture - Silk Filature Factory at Kollegal" The A.G. is requested to admit the expenditure in audit pending the provision of funds later.

The D.I.&C. is requested to submit not later than 15-1-43, a consolidated statement for the additional funds required in respect of the several items of expenditure sanctioned from time to time for work connected with the Silk Filature Factory at Kollegal.

To the D.I.&C.
" A.G. thro' Fin.
" Fin.Dept.(B.E.)
Copy to S.F.
Copy to the Controller of Supplies, Madras
Copy to the G.of I. Dept. of Supply.

(6) Tools and equipment. Rs.93,803 ✓

(7) Transport charges etc. 15,000 ✓

(8) Erection charges. 16,700 ✓

24,4048

These items of capital expenditure will be recovered in due course from the Govt. of India, on behalf of ~~H.M.~~ H.M.'s Govt. in the United Kingdom.

Orders in respect of the construction of a channel from the Cauvery river to the site of the Factory will be issued separately.

The Director of Industries & Commerce is requested to submit the detailed plans and estimates in respect of:-

(1) the water pipe mains to be laid from the pumping station to the tank and for distribution of water in the factory &

(2) the construction of six chambers for shifting cocoons before reeling.

The Sericultural Expert is permitted, as a special case, to buy the tools and equipment including furniture, where necessary, in the open market or by inviting tenders, whichever method is convenient, subject to the approval of the D.I.&.C. As regards the scientific instruments which have to be purchased through the Supply Department, the D.I.&.C. is requested to submit proposal separately with full particulars.

3. The expenditure should be debited to "43.a. Industries - Industries - J.Sericulture - Silk Filature Factory at Kollegal". The A.G. is requested to admit the expenditure in audit pending the provision of funds later.

The D.I.&.C. is requested to submit not later than 15-1-43, a consolidated statement for the additional funds required in respect of the several items of expenditure sanctioned from time to time for work connected with the Silk Filature Factory at Kollegal.

To the D.I.&.C.
" A.G. thro' Fin.
" Fin.Dept.(D.E.)
Copy to S.F.
Copy to the Controller of Supplies, Madras
Copy to the G.of I. Dept. of Supply.

NOTES

Dev.Dept.

Sub: Industries - Sericulture - Govt. Silk Filature Factory, Kollegal - Additional Staff and equipment - Proposals.

C.No.12662-D/42. From the D.I.&.C.No.777-D/42, dated 7-12-1942.

***

To U.S.

For the reasons stated at 'D' on p.1 C.F., the Director requests sanction for the employment of the following additional staff for the Silk Filature Factory:

1 Foreman on Rs.40-5/2-60.
2 Labour Recruiting Assistants on Rs.40-5/2-60.
8 Supervisors onRs.20-2/2-30.
1 Cocoon Store Assistant on Rs.40-5/2-60.
1 Silk and Waste Store Assistant on ~~do~~ Rs 40-5/2-60 p.m.

It is proposed to employ the staff as and when required. For orders whether the staff may be sanctioned.

2. The Director also requests sanction to the expenditure on the following items:-

(1)	One Steam Engine and two pumping sets, one on the river bank and the other at the storage tank in the factory. ...	Rs.8,500
(2)	Water pipe mains for distribution of water in the factory.	" 10,000
(3)	Two Lancashire boilers and one Sentinel portable engine.	" 17,500
(4)	Construction of six stiffling chambers.	" 10,000
(5)	Steam and water pipes and fittings of shafting for reeling machinery. ...	" 52,545
(6)	Tools and equipment. ...	" 93,803
(7)	Transport charges etc. ...	" 15,000
(8)	Erection charges. ...	" 16,700

The Director states that these estimates are all tentative and are subject to revision later, ~~when~~ if necessary, and that detailed estimates in respect of items (2) & (4) will be submitted later. For orders whether the expenditure on these items may be sanctioned.

3 The Director requests that the Sericultural Expert may be authorised to purchase the tools and equipment including furniture where necessary in the open market or by inviting tenders whichever method is convenient subject to the Director's approval. For orders whether the Sericultural Expert may be authorised

accordingly.

4 As regards purchase of scientific instruments through the Supply Department, the Director may be asked to submit proposals separately.

5 The capital expenditure on machinery and equipment mentioned in para.2 above is fully recoverable from the Govt. of India on behalf of His Majesty's Govt. The cost of production of silk will include the cost on account of the supervisory staff which will be recovered through sale of silk to the Govt. of India at net cost subject to a maximum of Rs.15/2 per lb. of silk.

6 Subject to orders, a draft order is submitted. It may be sent to Home and Finance for acceptance.

Home
Public
Fin

Home Dept.-

The file has been sent to this Dept with reference to the proposal of the Dir. of Industries and Commerce to purchase locally the articles of furniture required for the Silk Filature Factory at Kollegal. The articles proposed to be purchased are specified on pp. 7-8 CF. This Dept. need not object to the purchase of these articles from outside the Jail Dept., if the conditions laid down in para 1 of G.O. no. 3074 Home, d 27.8.42 are satisfied. The attention of the Dir. may be invited to that G.O.

The file may be passed on to Public.

Public (Services) Department.

The draft order below may be accepted in this department and the file passed on to Finance.

Finance

Fin (Ex II)

The draft order below may be accepted subject to the following remarks.

A pay of Rs 40 - 5/2 - 60 is proposed for the Cocoon Store Assistant and for the Silk and Waste Store Assistant Their duties will presumably be of a clerical nature. The pay of the Store-keeper and Fieldman in the Cinchona Dept. is Rs 30 - 3/2 - 45 - 2/2 - 55, the same as the pay of Lower Division Clerk The pay of Store-clerks in the Agricultural Dept. is Rs 19 - 2/2 - 33. It would seem sufficient to adopt the ordinary clerical scale, Rs 30 - 3/2 - 45 - 2/2 - 55 for the two Store assistants proposed in this case. It ~~is~~, however, for consideration whether in view of the importance of the scheme and the huge outlay involved, this dept. may agree to the proposed scale of Rs 40 - 5/2 - 60 for these two men.

May agree / 31/1

2/ The ~~starting of the~~ Silk Filature Factory at Kollegal has already been treated as a new service - See Y on p. 9 ~~ante~~ G.O. 456 II. Dev. dated 26-10-42. It is therefore not necessary to treat the present proposals as a new service. The Capital expenditure proposed to be sanctioned is Rs 2,24,048. Though the entire Cost

is recoverable from the Govt of India on behalf of His Majesty's Govt the sanction of the Governor General would seem necessary under section 93 situation. As, however, the factory has been started at the instance of the Govt of India, and is intended to supply war requirements, the Governor General's sanction may be presumed. Development may include this in the list of new items of expenditure due in this dept every month for report to the Governor General.

31.12.42

31.12.42 / 3143 DwD 4.1.43 Dev.

Through Secy 31.12.42

Time 2.45 P.M. 4-1-43

Dev. Dept

I N.S.

With ref to the notes of the Home Dept at f 2 above, alterations to para 2 of the draft order are indicated in pencil. Drawing whether the draft may issue as amended.

UNDER SECRETARY 5- JAN 1943 DEVELOPMENT DEPARTMENT

Dev 1-43 Dev 7/1/43.

8/1/43

[Issued as GO No. 17 Dev dt 8-1-43]

ghouse Hill. 8287

GOVERNMENT OF MADRAS. 7783

Received.....1943 Registered.....1943

Abstract.

Boilers- War- Supplies- Silk Filature Factory at Kollegal- Inspection of Boilers by the staff of the Madras Boiler Department- Recovery of charges- Orders.

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